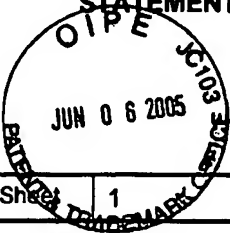
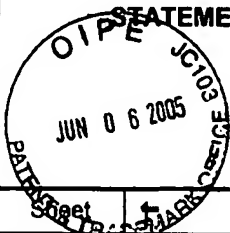



INFORMATION DISCLOSURE STATEMENT BY APPLICANT 			Application Number		10/607,824	
			Filing Date		June 27, 2004	
			First Named Inventor		Gregory R. Hanson	
			Group Art Unit		2624- 2877	
			Examiner Name		Patrick Connolly	
Sheet	1	of	← 3	Attorney Docket		UBAT1490-1
U.S. PATENT DOCUMENTS						
Examiner Initials	Cite No.	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	
		Number	Kind Code (if known)			
/PC/		6078392		06-20-2000	Rasmussen et al.	
/PC/		6078392		06-20-2000	Thomas et al.	
[This section is crossed out with a large X]						
Examiner Initials		Cite No.	FOREIGN PATENT DOCUMENTS		Publication Date MM-DD-YYYY (Number 43)	Name of Patentee or Applicant of Cited Document
		Country Code	Number	Kind Code (if known)		
[This section is crossed out with a large X]						
Examiner Signature		/Patrick Connolly/ (05/28/2007)			Date Considered	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT 				Application Number		10/607,824	
				Filing Date		June 27, 2003	
				First Named Inventor		Gregory R. Hanson	
				Group Art Unit		2621 2877	
				Examiner Name		Patrick Connolly	
Sheet 2 of 3		Attorney Docket Number		UBAT1490-1			
NON-PATENT LITERATURE DOCUMENTS							
Examiner Initials	Cite No.	Citation					
/PC/		International Search Report from PCT/US2004/012710, January 7, 2005					
/PC/		Written Opinion of the International Searching Authority from PCT/US2004/012710, January 7, 2005					
/PC/		International Search Report from PCT/US2004/012798, February 16, 2005					
/PC/		Written Opinion of the International Searching Authority from PCT/US2004/012798, January 7, 2005					
/PC/		International Search Report from PCT/US2004/012618, February 21, 2005					
/PC/		Written Opinion of the International Searching Authority from PCT/US2004/012618, February 21, 2005					
/PC/		Mendoza Santoyo F. et al. "Multi-pulsed digital holography applied to full 3D measurements of dynamic events" Proceedings of the SPIE - The International Society for Optical Engineering SPIE-INT. SOC. OPT. ENG. USA, vol. 4420, 15 October 1999 (1999-10-15), pages 132-138, XP002311234 ISSN: 0277-786X					
/PC/		Pedrini G. et al. "Pulsed digital holographic interferometry with 694- and 347-nm wavelengths" Applied Optics, Optical Society of America, Washington, US, vol. 39, no. 2, 10 January 2000 (2000-01-10), pages 246-249, XP000940114 ISSN: 0003-6935					
/PC/		Thomas C. E. et al. "Direct to digital holography for high aspect ratio inspection of semiconductor wafers" AIP Conference Proceedings, American Institute of Physics, New York, NY, US, no 683, 24 March 2003 (2003-03-24), pages 254-270, XP009031538 ISSN: 0094-243X					
Examiner Signature		/Patrick Connolly/ (05/28/2007)				Date Considered	

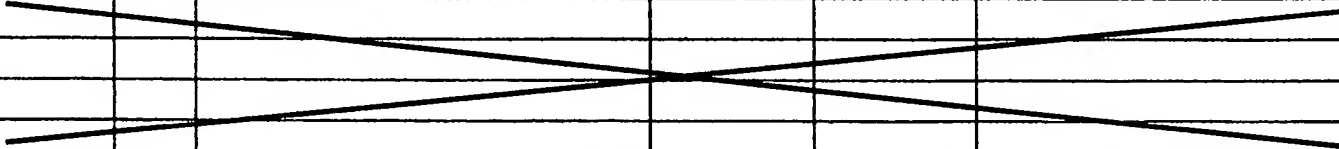
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Application Number		10/607,824	
		Filing Date		June 27, 2003	
		First Named Inventor		Gregory R. Hanson	
		Group Art Unit		2624 2877	
		Examiner Name		Patrick Connolly	
Sheet	2 3	of	2 3	Attorney Docket Number	UBAT1490-1

NON-PATENT LITERATURE DOCUMENTS

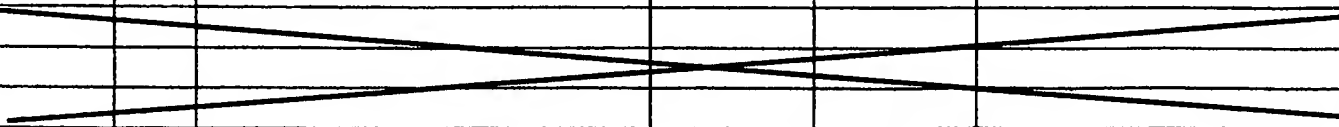
Examiner Initials	Cite No.	Citation
/PC/		Kruschke O. et al. "Holographic interferometric microscope of complete displacement determination: Optical Engineering SPIE USA, vol. 36, no. 9, September 1997 (1997-09), pages 2448-2456, XP002316736 ISSN: 0091-3286
/PC/		Khare K et al. "Direct sampling and demodulation of carrier-frequency signals" Optics Communications, North-Holland Publishing Co. Amsterdam, NL, vol. 211, No. 1-6, 1 October 2002 (2002-10-01), pages 85-94, XP004382791 ISSN: 0030-4018
/PC/		Pedrini G. et al. "Quantitative evaluation of two-dimensional dynamic deformations using digital holography" Optics and laser technology, Elsevier Science Publishers BV., Amsterdam, NL, vol. 29, no. 5, July 1997 (1997-07), pages 249-256, XP004090206 ISSN: 0030-3992
Examiner Signature	/Patrick Connolly/ (05/28/2007)	
Date Considered		

INFORMATION DISCLOSURE STATEMENT BY APPLICANT 		Application Number	10/607,824
		Filing Date	June 27, 2003
		First Named Inventor	Gregory R. Hanson
		Group Art Unit	2624 2877
		Examiner Name	Patrick Connolly
Sheet 1 of 3	Attorney Docket	UBAT1490-1	

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No.	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number	Kind Code (if known)		
/PC/		6,262,818	B1	07-17-2001	Cuche et al.
/PC/		6,809,845	B1	10/26/2004	Kim et al.
/PC/		5,299,035		03/29/1994	Leith et al.
/PC/		6,078,392		06/20/2000	Thomas et al.
/PC/		6,525,821		02/25/2003	Thomas et al.
/PC/		5,995,251		11/30/1999	Hesselink et a.
/PC/		5,877,873		03/02/1999	Bashaw et a.
/PC/		5,515,183		05/07/1996	Hashimoto
/PC/		5,671,042		09/23/1997	Sciammarella
/PC/		4,812,042		03/14/1989	Yokokura et al.
/PC/		6,747,771		06/08/2004	Thomas et al.
/PC/		20040042015		03/04/2004	Price et al.
/PC/		20040042056		03/04/2004	Price et al.
/PC/		6,597,446		07/22/2003	Klooster et al.
/PC/		5,339,152		08/16/1994	Horn
/PC/		5,410,397		04/25/1995	Toeppen
/PC/		20040021871		02/05/2004	Psaltis et a.
/PC/		20040057089		03/25/2004	Voelkl
/PC/		20040130762		07/08/2004	Thomas et al.
					

FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No.	FOREIGN PATENT DOCUMENTS			Publication Date MM-DD-YYYY (Number 43)	Name of Patentee or Applicant of Cited Document
		Country Code	Number	Kind Code (if known)		
		JP	06282213		07/10/1994	Citizen Watch Co. Ltd.
						
Examiner Signature		/Patrick Connolly/ (05/28/2007)			Date Considered	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT			Application Number	10/607,824	
			Filing Date	June 27, 2003	
			First Named Inventor	Gregory R. Hanson et al.	
			Group Art Unit	2021 2877	
			Examiner Name	Patrick Connolly	
Sheet	1 2	of	2 3	Attorney Docket Number	UBAT1490-1
NON-PATENT LITERATURE DOCUMENTS					
Examiner Initials	Cite No.	Citation			
/PC/		Invention of Holography: D. Gabor, Proc. Roy. Soc. London Ser. A <u>A197</u> , 459 (1949).			
/PC/		Invention of Sideband (Hetrodyne) Holography: E. Leith and J. Upatnieks, J. Opt. Soc. Am. <u>52</u> , 1123 (1962) and J. Opt. Soc. Am. <u>53</u> 1377 (1963).			
/PC/		Mathematical Treatise on Holography: J.B. Develis and G.O. Reynolds, <u>Theory and Application of Holography</u> , Addison-Wesley, Reading, MA, 1967.			
/PC/		Holographic Interferometry: L.O. Heflinger, R.F. Wuerker, and R.E. Brooks, J. Appl. Phys. <u>37</u> , 642 (1966).			
/PC/		Discussion of Focused Holography (used for holographic interferometry): F.E. Jahoda, R.A. Jeffries and G.A. Sawyer, Appln. Opt. <u>6</u> , 1407 (1967).			
/PC/		Interferogram Analysis: Digital Fringe Pattern Measurement Techniques, M. Kujawinska, (edited by D.W. Robinson and G.T. Reid), IOP Publishing Ltd., Bristol, England, 1993).			
/PC/		Holographic Interferometry: Principles and Methods, K. Creath and T. Kreis (edited by K. Rastogi), Springer-Verlag, New York, New York, 1994.			
/PC/		Papers by E. Voelkl on Fourier transform analysis of electron holography: E. Voelkl, L.F. Allard, and B. Frost, J. Microscopy <u>180</u> , pt. 1, October, 1995, pp. 39-50.			
/PC/		E. Voelkl, L.F. Allard, A. Datye, B. Frost, Ultramicroscopy <u>58</u> , (1995), pp. 97-103.			
/PC/		Edgar Volkl, "Introduction to Electron Holography", pp. 133-138, published by Kluwer Academic/Plenum Publishers, New York, 1999.			
/PC/		Jacob et al., "High Resolution Photomask Transmission and Phase Measurement Tool", Metrology, Inspection and Process Control for Microlithography XVI, Proceedings of SPIE Vol. 4689, pp. 70-82, 2002.			
/PC/		Thomas et al., "Direct to Digital Holography for Semiconductor Wafer Defect Detection and Review", Design, Process Integration, and Characterization for Microelectronics, Proceedings of SPIE Vol. 4692, pp. 180-194, 2002.			
/PC/		E. Voelkl, L.F. Allard, ICEM-13 (13th International Conference on Electron Microscopy), 17-22, July, 1994, Paris, France, Proceedings, p. 287.			
Examiner Signature		/Patrick Connolly/ (05/28/2007)		Date Considered	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Application Number		10/607,824		
				Filing Date		June 27, 2003		
				First Named Inventor		Gregory R. Hanson		
				Group Art Unit		2621 — 2877		
				Examiner Name		Patrick Connolly		
Sheet	2	3	of	2	3	Attorney Docket Number		UBAT1490-1
NON-PATENT LITERATURE DOCUMENTS								
Examiner Initials	Cite No.	Citation						
/PC/		Volkl, E., et al. "Advanced Electron Holography: A New Algorithm for Image Processing and Standardized Quality Test for the FEG Electron Microscope", ULTRAMICROSCOPY 58 (1995) 97-103.						
/PC/		Volkl, E., et al., "A Software Package for the Processing and Reconstruction of Electron Holograms", JOURNAL OF MICROSCOPY, Vol. 180, pt. 1, October, 1995, pp. 39-50.						
/PC/		Leith, E.N. "Reconstructed Wavefronts and Communication Theory", JOURNAL OF OPTICAL SOCIETY OF AMERICA, Vol. 52 No. 10, October 1962.						
/PC/		Gabor, D., et al., "Microscopy by Reconstructed Wave-Fronts", RESEARCH LABORATORY, August 1948, pp. 454-487						
/PC/		Leith, E.N., et al., "Wavefront Reconstruction with Continuous-Tone Objects", JOURNAL OF THE OPTICAL SOCIETY OF AMERICA, Vol. 53, No. 12, December 1963.						
/PC/		Leith, E.N., et al., "Wavefront Reconstruction with Diffused Illumination and Three Dimensional Objects", JOURNAL OF THE OPTICAL SOCIETY OF AMERICA, Vol. 54, No. 11, November 1964.						
/PC/		North, J.C., et al., "Holographic Interferometry", JOURNAL OF APPLIED PHYSICS, Vol. 37, No. 2, February 1966.						
/PC/		Kujawinska, M., "Digital Fringe Pattern Measurement Techniques", INTERFEROGRAM ANALYSIS						
/PC/		DeVelis, J.B., et al., "Theory and Applications of Holography", (1967)						
/PC/		Jahoda, F.C., et al., "Fractional-Fringe Holographic Plasma Interferometry", APPLIED OPTICS, August 1967, Vol. 6, No. 8, pp. 1407-1410.						
/PC/		Jahoda, F.C., et al., "Holographic Interferometry Cookbook", LOS ALAMOS SCIENTIFIC LABORATORY, October 1972.						
/PC/		Rastogi, P.K., "Holographic Interferometry", OPTICAL SCIENCE CENTER, UNIVERSITY OF ARIZONA, Vol. 68 (1994)						
/PC/		Volkl, E., et al., "The Extended Fourier Algorithm. Application in Discrete Optics and Electron Holography", HIGH TEMPERATURE MATERIALS LABORATORY, July 1994.						
Examiner Signature		/Patrick Connolly/ (05/28/2007)					Date Considered	